

Go Green with Gema

Powder Coating is a very efficient and green finishing technology, the best option for the protection of the environment and to ensure healthy working conditions. Here is why:



Solvent-free:

Powder coatings contain no solvents or volatile organic compounds (VOCs), which are released with traditional wet paints and can contribute to air pollution. This reduces emissions of harmful chemicals into the atmosphere.



Less waste:

Powder can be reused. When the powder is applied, the overspray material is collected and reused, which minimizes any hazardous waste.



Energy efficiency:

Although also the powder curing process requires heat, it is more efficient than wet paints, which often require multiple coats and solvent incineration.



Durability:

Powder coatings are more resistant than conventional paints; this makes the powder coated products more durable and reduces the need for frequent repainting.



Workplace safety:

As powder coatings do not contain solvents, they are safer for workers as exposure to harmful chemicals and the associated health risks are minimized.

Powder coating is that green

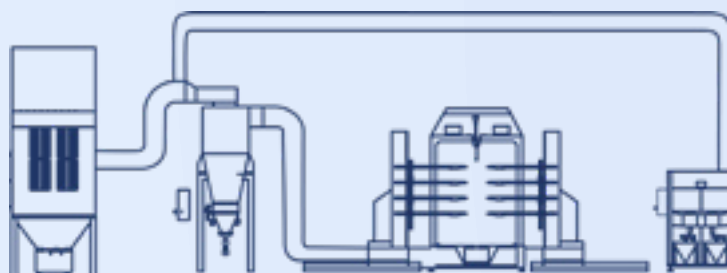
Powder coating's CO₂ emissions are much lower than solvent based paints; moreover, the latest Gema technologies offer great advantages in terms of efficiency and ecology. Our experts have estimated the corresponding benefit for the environment:

Switch from wet paint to powder coating

Save 288 t/year of CO₂ = 11'520 trees

Retrofit an old system with the latest Gema technologies

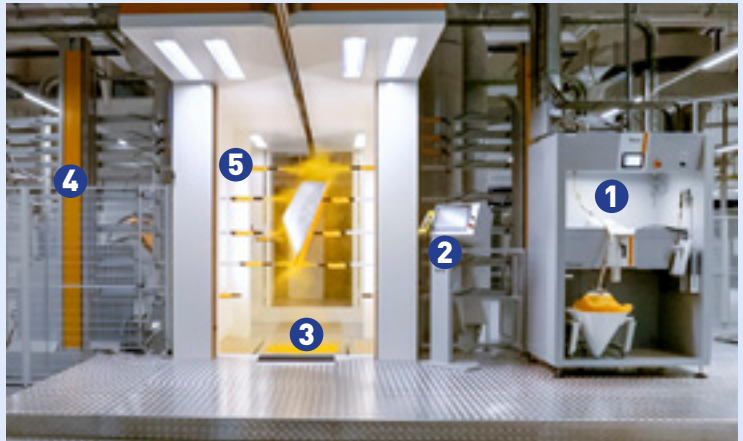
Save 268 t/year of CO₂ = 10'700 trees



Your global partner for high quality powder coating

Gema technologies ensure savings and clean operation

- 1 The OptiCenter® optimally conditions the powder, feeds it gently to the guns and prepares overspray powder for reuse.
- 2 The system control including automatic contour detection controls the coating settings and axes movement, all resulting in powder savings.
- 3 Thanks to EquiFlow® technology, Gema Magic booths provide the ideal coating conditions, a clean working environment and reclaims overspray powder that will be reused in the coating process.
- 4 Gema axes systems precisely and automatically position the guns to the object and allow close contour application, resulting in complete coverage and overspray reduction.
- 5 OptiGun® and OptiSelect® robust powder guns with industry-leading PowerBoost® technology ensure precise and efficient application.



Green production at Gema

Gema gives particular importance to sustainable and environmentally friendly technologies. The new Gema production facility in Gossau is equipped with photovoltaic and geo-thermal systems. This makes it possible to generate the majority of the energy required in-house and minimize the company's ecological footprint.

Sustainability and energy efficiency are also particularly important in the development of Gema powder coating components and systems. Gema products and technologies are designed to enable customers to save energy and powder in the coating process.

Gema

www.gemapowdercoating.com